

ABSTRACT

5 The present invention is provided with an increase  
profit calculating apparatus (122) which simulates  
increase profit according to a commercial article  
proposal, an inferiority phenomena countermeasure  
guiding apparatus (123) which proposes a commercial  
article so as to solve a problem, a commercial article  
proposal supporting section (102) having a commercial  
10 article catalog output apparatus (121), a commercial  
article database (105) having shape/material  
quality/commercial article data of product groups  
classified on the basis of pattern shapes of products,  
a product automatic designing apparatus (product  
15 parameter setting apparatus) (132) which designs a  
product corresponding to a product specification  
required using pattern shape data parametrically, a  
machining possibility calculating apparatus (133) which  
simulates whether or not a designed product is capable  
20 of being machined, an estimate creating section (103)  
having an estimate information output apparatus, and an  
order reception information creating apparatus (104).